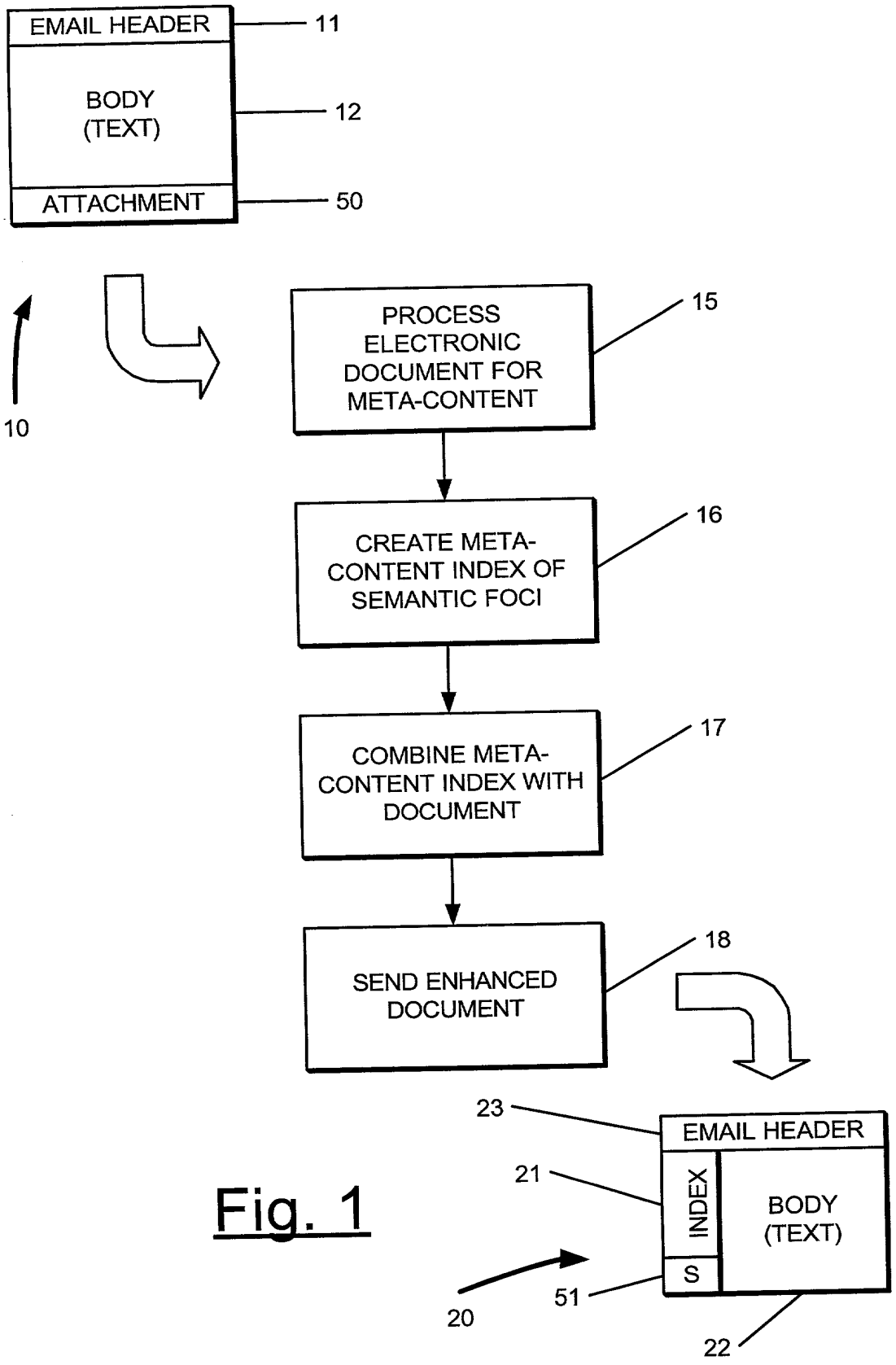

EMAIL HEADER
11
BODY
(TEXT)
12
ATTACHMENT
50
10
PROCESS ELECTRONIC DOCUMENT FOR META-CONTENT
15
CREATE META-CONTENT INDEX OF SEMANTIC FOCI
16
COMBINE META-CONTENT INDEX WITH DOCUMENT
17
SEND ENHANCED DOCUMENT
18
23
EMAIL HEADER
21
INDEX
BODY
(TEXT)
S
51
20
22

Fig. 1

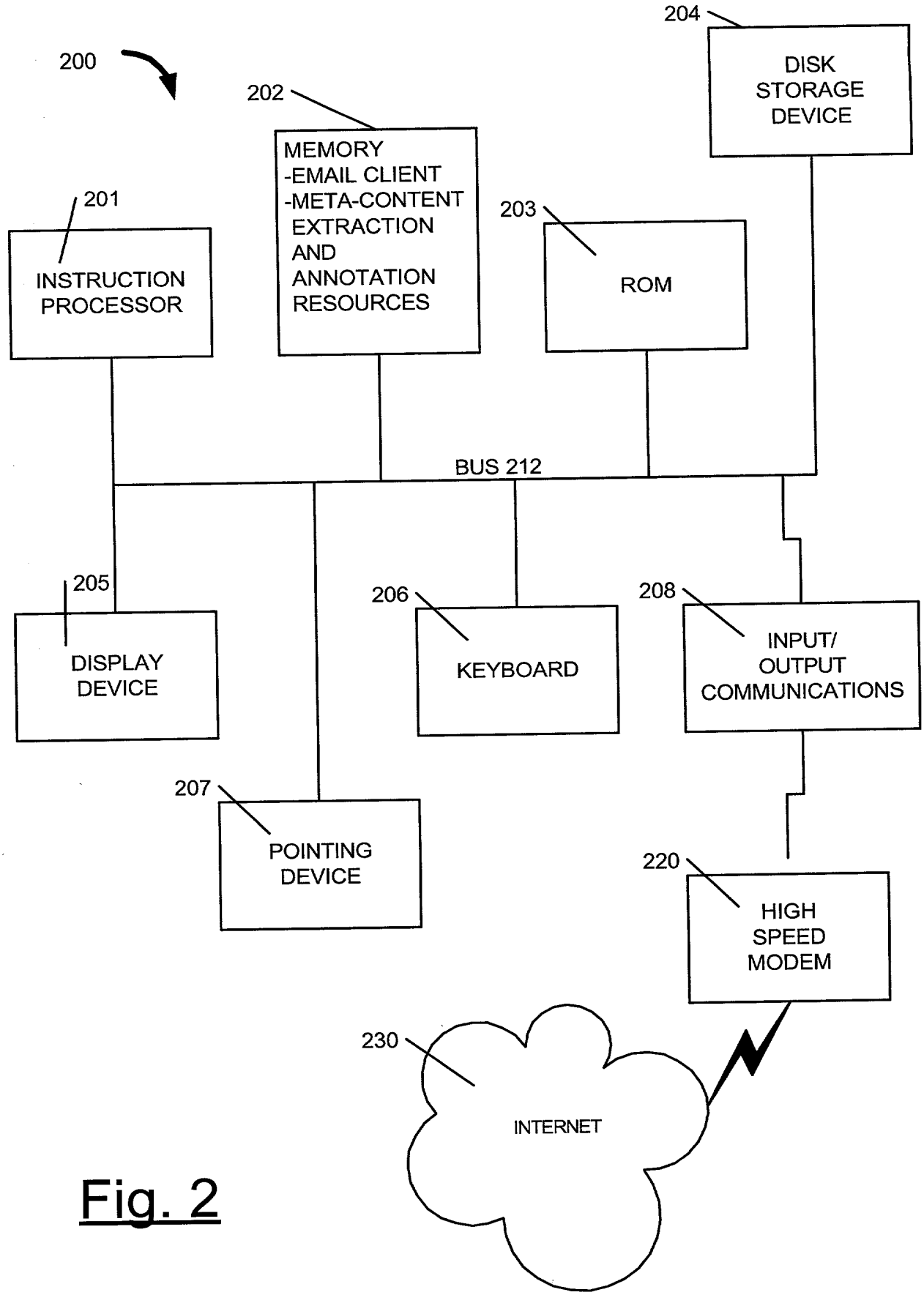

200
202
MEMORY
-EMAIL CLIENT
-META-CONTENT EXTRACTION AND ANNOTATION RESOURCES
204
DISK STORAGE DEVICE
201
INSTRUCTION PROCESSOR
203
ROM
BUS 212
205
DISPLAY DEVICE
206
KEYBOARD
208
INPUT/ OUTPUT COMMUNICATIONS
207
POINTING DEVICE
220
HIGH SPEED MODEM
230
INTERNET

Fig. 2

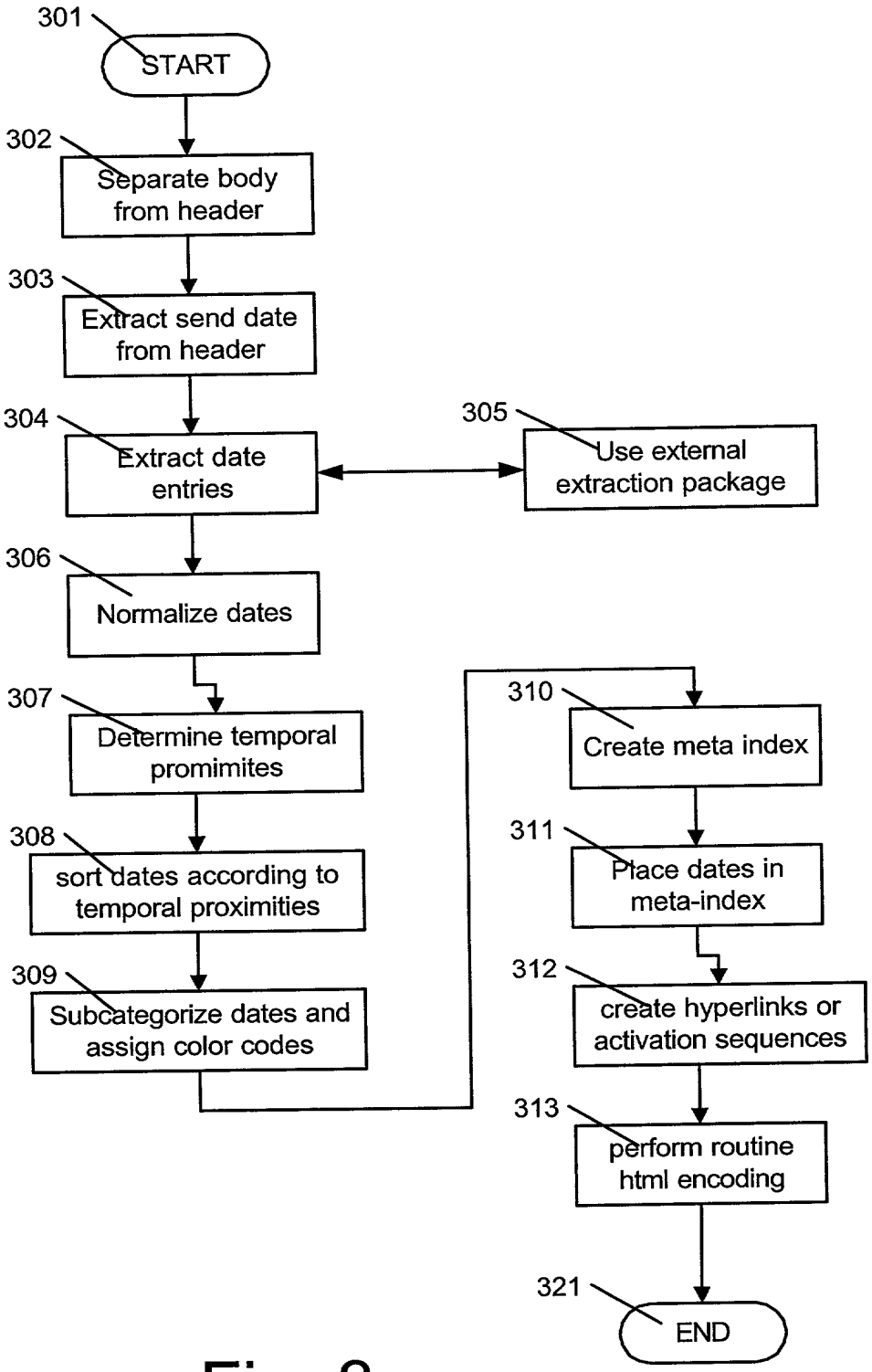

301
START
302
Separate body from header
303
Extract send date from header
304
Extract date entries
305
Use external extraction package
306
Normalize dates
307
Determine temporal promimites
308
sort dates according to temporal proximities
309
Subcategorize dates and assign color codes
310
Create meta index
311
Place dates in meta-index
312
create hyperlinks or activation sequences
313
perform routine html encoding
321
END

Fig. 3

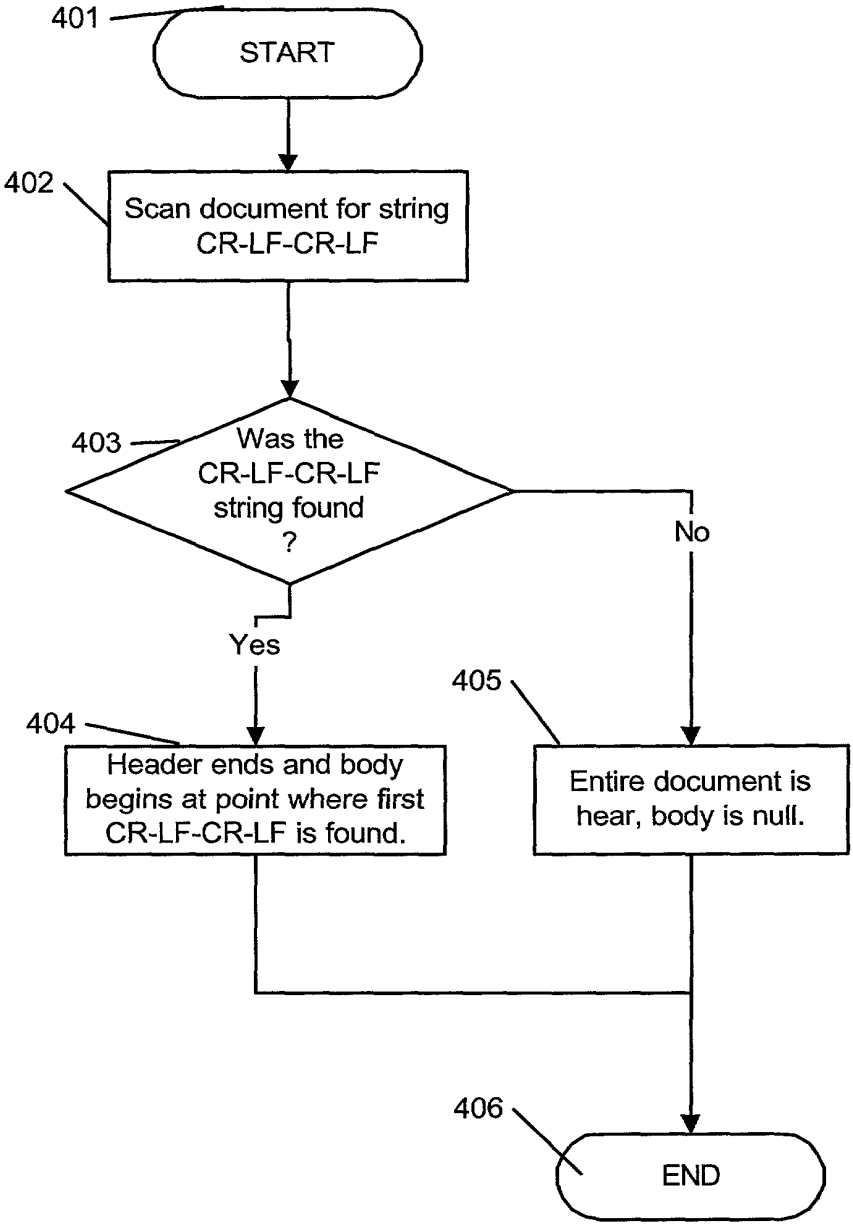

401
START
402
Scan document for string CR-LF-CR-LF
403
Was the CR-LF-CR-LF string found ?
No
Yes
404
Header ends and body begins at point where first CR-LF-CR-LF is found.
405
Entire document is hear, body is null.
406
END

Fig. 4

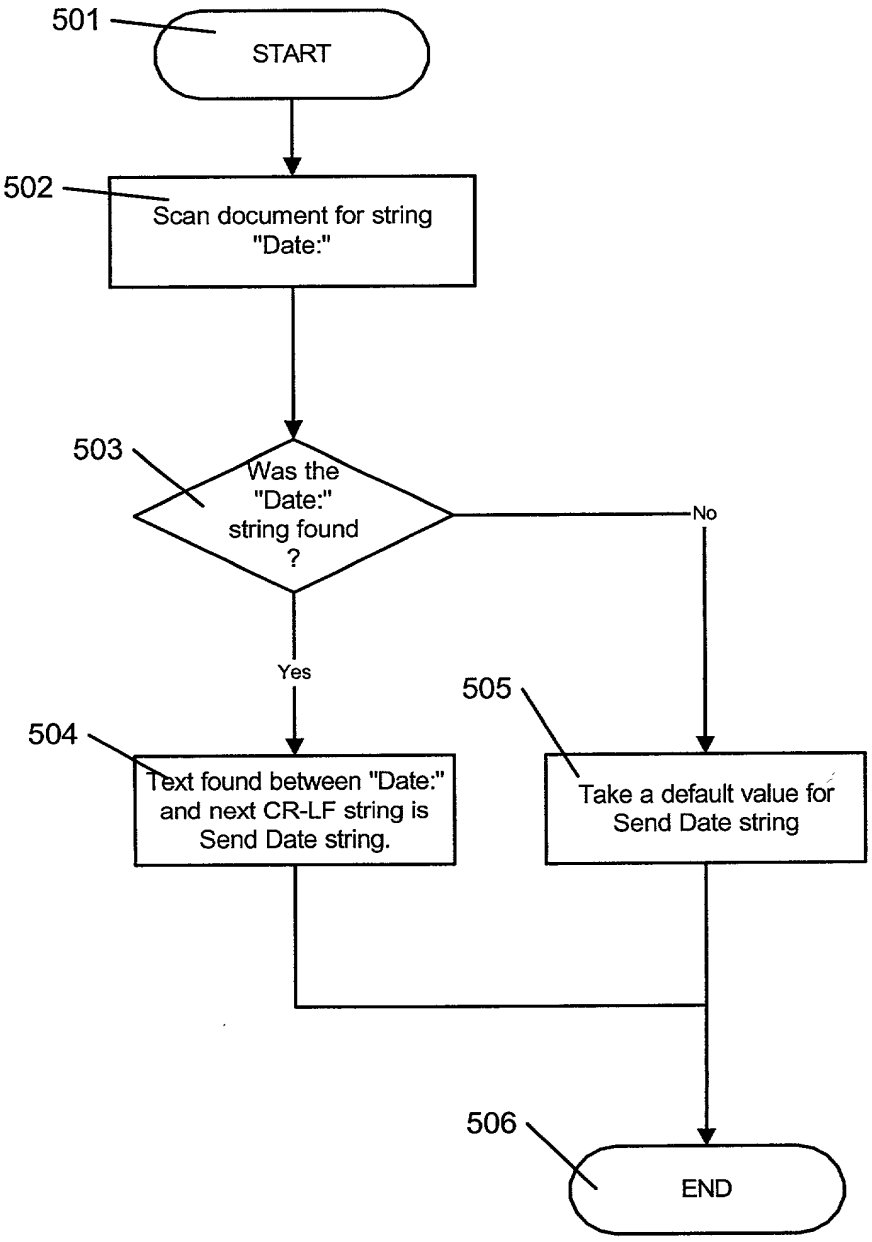

501
START
502
Scan document for string "Date:"
503
Was the "Date:" string found ?
No
Yes
504
Text found between "Date:" and next CR-LF string is Send Date string.
505
Take a default value for Send Date string
506
END

Fig. 5

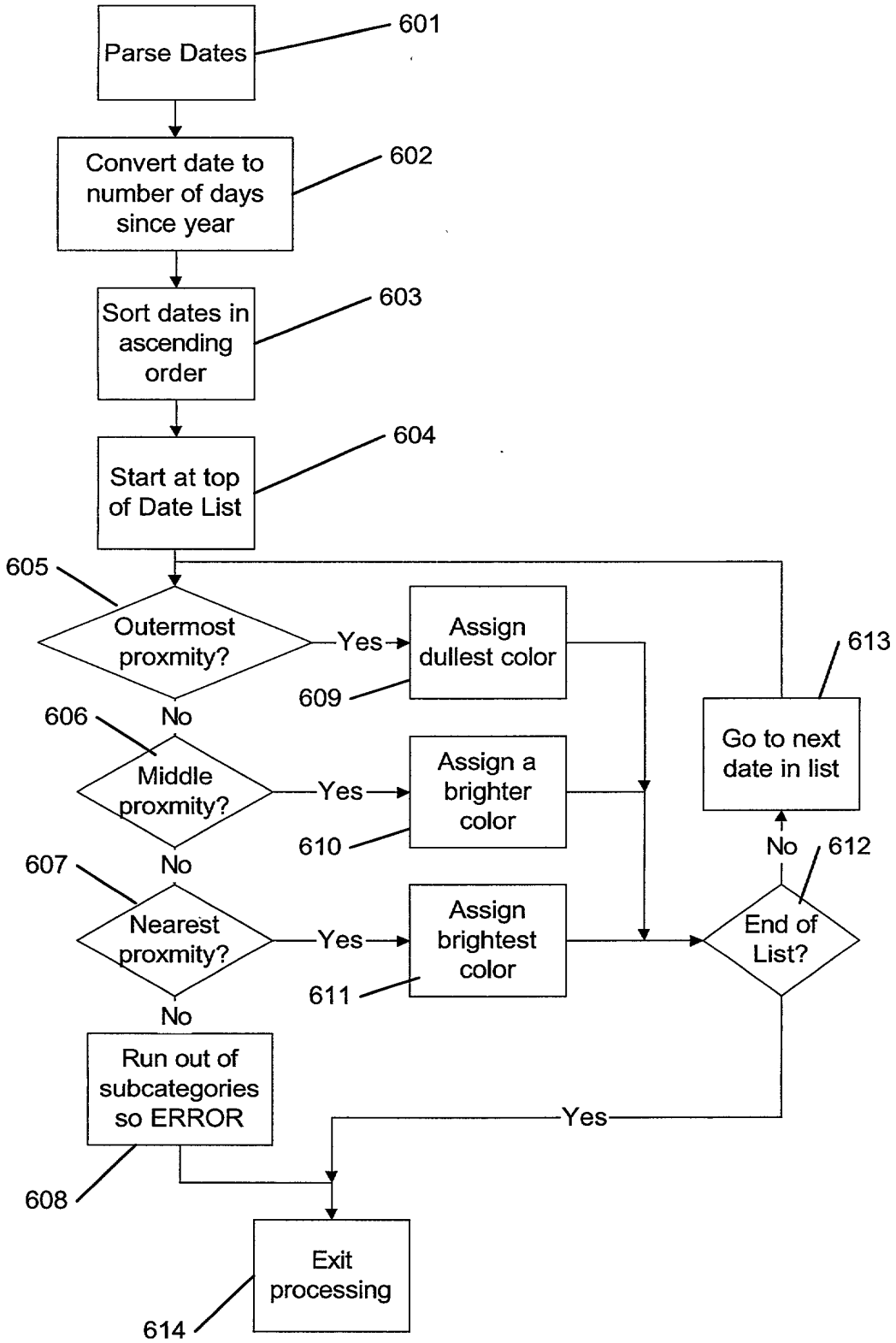
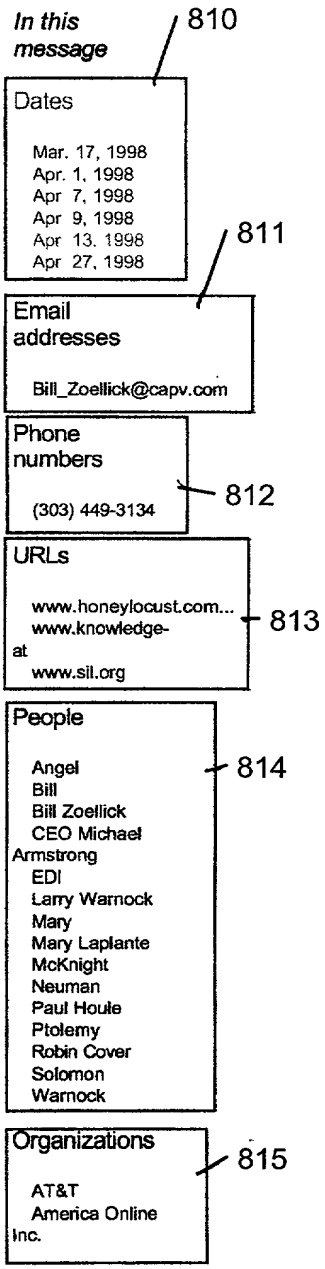

Parse Dates
601
Convert date to number of days since year
602
Sort dates in ascending order
603
Start at top of Date List
604
605
Outermost proxmity?
Yes
Assign dullest color
609
No
606
Middle proxmity?
Yes
Assign a brighter color
610
No
607
Nearest proxmity?
Yes
Assign brightest color
611
No
Run out of subcategories so ERROR
608
End of List?
No
612
Go to next date in list
613
Yes
Exit processing
614

Fig. 6



Document Software Strategies Analysis

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Bill starts off this week with a look at some of the big trends that will be shaping your business over the next three to five years. Specifically, he looks at communications infrastructure changes, and
at how they tie into the planning of vendors selling products that create, manage, or deliver content.

Mary is back this week with a collection of smaller topics of interest to our readers. She starts off with a look at the recent Documentum announcements, looking at them both in terms of what they
say about Documentum and what they might tell us about document management in general. She also brings you up-to-date on KREF (Knowledge management Reference model EFfort) and XML developments.

We will not be publishing the DSS Analysis next week -- we'll be back
in your mailbox during the week of April 27. 820

Write or call if you have questions or want to talk. Bill is editor of this weekly service -- his e-mail address is Bill_Zoellick@capv.com. Telephone is (303) 449-3134.

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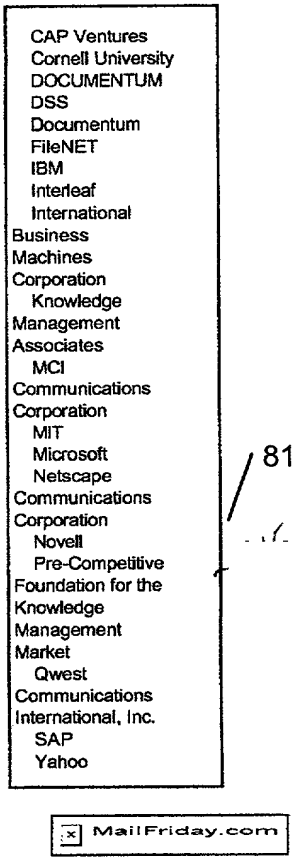
-- the DSS Staff at CAP Ventures

Bill Zoellick ...

Fig. 7A



Content and Connectivity

I want to use the word "content" in a very general sense. Not just as in "content management" -- but as a general term for all the "stuff" that your products manage -- scanned images, text, web pages,
tables, XML, whatever. Next week we can go back to using the word
in its more restricted form, having to do with "web stuff" -- but this week I need it as a big, general term.

Virtually all of our vendor clients sell software that focuses on content in some way -- authoring it, managing it, finding it, converting it, viewing it.. Consequently, we typically write to you about matters that relate to content -- XML for example.

But -- and here is the point of this week's essay -- looking ONLY at
content keeps you from seeing the bigger picture and understanding what is behind all of this CHANGE in the way we handle and use content. Said another way: understanding the forces that are driving
change in our content-focused businesses requires looking beyond content.

WHY "CAUSE" IS IMPORTANT

That all sounds pretty abstract, and so it's worth spending some time
to explain why this is important. It has to do with predicting future developments. If you could identify the two or three things that were really driving all of the big, long term changes in the ways businesses are using content, then you'd be in a better position
to analyze and track these key "drivers" and make some educated guesses about what the next change will be, and maybe even when it
might happen.

For example, I have recently been spending a lot of time looking at the changes in the markets for electronically based transactions -- the new style of EDI that uses web-based technologies. I have been
trying to answer questions like, "Just how fast will paper based

Fig. 7B